

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31327  
Name: Pauley Oil  
Address 1: 314 5th Street  
Address 2: \_\_\_\_\_  
City: Clafin State: ks Zip: 67525 + \_\_\_\_\_  
Contact Person: Gary Pauley  
Phone: (785) 252-8024  
CONTRACTOR: License # 33724  
Name: Warren Drilling  
Wellsite Geologist: James C Musgrove  
Purchaser: NCRA  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
10-4-08 \_\_\_\_\_ 10-11-08  
Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or  
Recompletion Date \_\_\_\_\_ Recompletion Date

API No. 15 - 053-21226-0000  
Spot Description: 110' East of center  
\_\_\_\_\_ -SW Sec. 34 Twp. 17 S. R. 8  East  West  
1,320 Feet from  North /  South Line of Section  
1,430 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ellsworth  
Lease Name: Wires Well #: 2  
Field Name: Geneseo  
Producing Formation: Arbuckle  
Elevation: Ground: 1782 Kelly Bushing: 1790  
Total Depth: 3240 Plug Back Total Depth: 3232  
Amount of Surface Pipe Set and Cemented at: 295 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ API-1-Dlg - 11/11/09

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: Air Dry and Backfill  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]  
Title: Owner Date: 11-3-2009  
Subscribed and sworn to before me this 3rd day of November  
2009.  
Notary Public: Clara Nadine Pauley  
Date Commission Expires: 09-18-13

NOTARY PUBLIC - State of Kansas  
CLARA NADINE PAULEY  
My Appt. Expires 09-18-13

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
**NOV 05 2009**  
**KCC WICHITA**

Operator Name: Pauley Oil Lease Name: Wires Well #: 2  
 Sec. 34 Twp. 17 S. R. 8  East  West County: Ellsworth

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |     |       |        |      |      |         |      |       |              |      |       |          |      |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-------|--------|------|------|---------|------|-------|--------------|------|-------|----------|------|-------|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run:<br><b>Dual Compensated Porosity Log</b> | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Topeka</td> <td>2425</td> <td>-635</td> </tr> <tr> <td>LANSING</td> <td>2838</td> <td>-1048</td> </tr> <tr> <td>CONGLOMERATE</td> <td>3191</td> <td>-1401</td> </tr> <tr> <td>ARBUCKLE</td> <td>3220</td> <td>-1430</td> </tr> </table> | Name  | Top | Datum | Topeka | 2425 | -635 | LANSING | 2838 | -1048 | CONGLOMERATE | 3191 | -1401 | ARBUCKLE | 3220 | -1430 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Top                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Datum |     |       |        |      |      |         |      |       |              |      |       |          |      |       |
| Topeka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2425                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -635  |     |       |        |      |      |         |      |       |              |      |       |          |      |       |
| LANSING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2838                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -1048 |     |       |        |      |      |         |      |       |              |      |       |          |      |       |
| CONGLOMERATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3191                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -1401 |     |       |        |      |      |         |      |       |              |      |       |          |      |       |
| ARBUCKLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -1430 |     |       |        |      |      |         |      |       |              |      |       |          |      |       |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used |                   |                           |                   |               |                |              |                             |
|-------------------------------------------------------------------------------------|-------------------|---------------------------|-------------------|---------------|----------------|--------------|-----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc.           |                   |                           |                   |               |                |              |                             |
| Purpose of String                                                                   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives  |
| Surface                                                                             | 12 1/4            | 8 5/8                     | 20 Lbs./ft.       | 295'          | common         | 185          | 3%chloride, 2%gel           |
| Production String                                                                   | 7 7/8             | 5 1/2                     | 15.5 Lbs./ft.     | 3232'         | ASC            | 150          | 2% gel, 8% salt, 500gal ASF |
|                                                                                     |                   |                           |                   |               |                |              |                             |

| ADDITIONAL CEMENTING / SQUEEZE RECORD                                                                                                                            |                  |                |             |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|-------------|----------------------------|
| Purpose:                                                                                                                                                         | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |             |                            |
|                                                                                                                                                                  |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |

|                                                 |                    |                                                                                                                                                                           |             |                                                                                |                                                             |
|-------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------|-------------------------------------------------------------|
| TUBING RECORD:                                  | Size: <u>2 7/8</u> | Set At: <u>3220 3220</u>                                                                                                                                                  | Packer At:  | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <b>RECEIVED</b><br><b>NOV 05 2009</b><br><b>KCC WICHITA</b> |
| Date of First, Resumed Production, SWD or Enhr. |                    | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |             |                                                                                |                                                             |
| Estimated Production Per 24 Hours               | Oil Bbls.          | Gas Mcf                                                                                                                                                                   | Water Bbls. | Gas-Oil Ratio                                                                  | Gravity<br>40                                               |

|                                                                                                                                                                   |                                                                                                                                                                                                                                   |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br><u>3232-3240</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|

# ALLIED CEMENTING CO., LLC. 33266

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

GREATBEND

|                                |                 |                                                 |                 |                            |                             |                           |                            |
|--------------------------------|-----------------|-------------------------------------------------|-----------------|----------------------------|-----------------------------|---------------------------|----------------------------|
| DATE <u>10-12-08</u>           | SEC. <u>34</u>  | TWP. <u>19S</u>                                 | RANGE <u>8W</u> | CALLED OUT <u>11:30 pm</u> | ON LOCATION <u>12:30 pm</u> | JOB START <u>11:45 AM</u> | JOB FINISH <u>12:45 PM</u> |
| LEASE <u>Wire</u>              | WELL # <u>2</u> | LOCATION <u>Genesee to Hwy stop E 115 W 1/4</u> |                 |                            | COUNTY <u>KS</u>            | STATE <u>KS</u>           |                            |
| OLD OR <u>NEW</u> (Circle one) |                 | <u>1 N 1/2 E NE 1/4</u>                         |                 |                            |                             |                           |                            |

CONTRACTOR Warren Rig 2  
 TYPE OF JOB Long string  
 HOLE SIZE 7 7/8 T.D. 3247'  
 CASING SIZE 5 1/2 DEPTH 3247'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 1 1/2 DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1000 MINIMUM 500  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 15.49'  
 CEMENT LEFT IN CSG. 15.49'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT FRESH WATER  
 EQUIPMENT \_\_\_\_\_

OWNER Fox Petroleum  
 CEMENT  
 AMOUNT ORDERED 150sx of ASC and 500 gals ASF

PUMP TRUCK CEMENTER Dwayne W  
 # 409 HELPER Tradis H  
 BULK TRUCK  
 # 341 DRIVER Jacob  
 BULK TRUCK  
 # 409 DRIVER \_\_\_\_\_

|                              |                |                              |
|------------------------------|----------------|------------------------------|
| COMMON _____                 | @ _____        | _____                        |
| POZMIX _____                 | @ _____        | _____                        |
| GEL <u>3sx</u>               | @ <u>20.25</u> | <u>60.75</u>                 |
| CHLORIDE _____               | @ _____        | _____                        |
| ASC <u>150sx</u>             | @ <u>16.70</u> | <u>2,505.00</u>              |
| <u>ASF 500gal</u>            | @ <u>1.10</u>  | <u>550.00</u>                |
| <u>SALT 13sx</u>             | @ <u>21.25</u> | <u>276.25</u>                |
| <b>RECEIVED</b>              |                |                              |
| <b>NOV 05 2009</b>           |                |                              |
| <b>KCC WICHITA</b>           |                |                              |
| HANDLING <u>166sx</u>        | @ <u>2.25</u>  | <u>373.50</u>                |
| MILEAGE <u>166x 38x 10 =</u> |                | <u>630.80</u>                |
|                              |                | <b>TOTAL <u>4,396.30</u></b> |

**REMARKS:**

Pipe on bottom Break circulation pump 5 bbls of water pump 500 gals of ASF pump 5 bbls water behind shut down and plug rat and mouse holes pump the rest of the 150sx ASC shutdown and wash up and realse plug and disp with 76 gals of fresh water plug dip hold

**SERVICE**

|                              |                               |
|------------------------------|-------------------------------|
| DEPTH OF JOB <u>3247'</u>    |                               |
| PUMP TRUCK CHARGE _____      | <u>1,957.00</u>               |
| EXTRA FOOTAGE _____          | @ _____                       |
| MILEAGE <u>38</u>            | @ <u>7.00</u> <u>266.00</u>   |
| MANIFOLD <u>Head Rent</u>    | @ <u>110.00</u> <u>110.00</u> |
| <b>TOTAL <u>2,333.00</u></b> |                               |

CHARGE TO: Fox Petroleum  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

|                             |                 |                            |
|-----------------------------|-----------------|----------------------------|
| <u>1-5 1/2 GUIDE SHOE</u>   | @ <u>186.00</u> | <u>186.00</u>              |
| <u>6-5 1/2 centralizers</u> | @ <u>55.00</u>  | <u>330.00</u>              |
| <u>1-5 1/2 RUBBER PLUG</u>  | @ <u>71.00</u>  | <u>71.00</u>               |
| <u>1-5 1/2 INSERT FLOAT</u> | @ <u>285.00</u> | <u>285.00</u>              |
| <u>AUTO-FILL</u>            |                 |                            |
|                             |                 | <b>TOTAL <u>872.00</u></b> |

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME X Travis EP  
 SIGNATURE X Travis EP

# ALLIED CEMENTING CO., LLC. 33538

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend KS

|                                                          |                |                 |                |                                         |                           |                          |                            |
|----------------------------------------------------------|----------------|-----------------|----------------|-----------------------------------------|---------------------------|--------------------------|----------------------------|
| DATE <u>10-5-08</u>                                      | SEC. <u>34</u> | TWP. <u>17</u>  | RANGE <u>8</u> | CALLED OUT <u>1200 AM</u>               | ON LOCATION <u>100 AM</u> | JOB START <u>9:30 AM</u> | JOB FINISH <u>10:00 AM</u> |
| LEASE <u>wire</u>                                        |                | WELL # <u>2</u> |                | LOCATION <u>4+14 1/4 North East 1/4</u> |                           | COUNTY <u>Ellsworth</u>  | STATE <u>KS</u>            |
| OLD OR <input checked="" type="radio"/> NEW (Circle one) |                |                 |                | <u>North in TO</u>                      |                           |                          |                            |

CONTRACTOR Wayne Rig 2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 295

CASING SIZE 8 1/2 DEPTH 295

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 200 MINIMUM 0

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 15 3/4 BBLs Displacement

OWNER Fox Petroleum

CEMENT

AMOUNT ORDERED 185 sk common 3% cc 2% Gel

|          |               |   |              |                 |
|----------|---------------|---|--------------|-----------------|
| COMMON   | <u>185 sk</u> | @ | <u>13.50</u> | <u>2,497.50</u> |
| POZMIX   |               | @ |              |                 |
| GEL      | <u>4 sk</u>   | @ | <u>20.25</u> | <u>81.00</u>    |
| CHLORIDE | <u>6 sk</u>   | @ | <u>51.50</u> | <u>309.00</u>   |
| ASC      |               | @ |              |                 |

**RECEIVED**

NOV 05 2009

KCC WICHITA

|          |                         |   |             |                 |
|----------|-------------------------|---|-------------|-----------------|
| HANDLING | <u>195 sk</u>           | @ | <u>2.25</u> | <u>438.75</u>   |
| MILEAGE  | <u>195 X 38 X .10 =</u> |   |             | <u>741.00</u>   |
|          |                         |   | TOTAL       | <u>4,067.25</u> |

**REMARKS:**

pipe on Bottom Break circulation  
mix 185 sk common 3% cc 2% Gel  
Shut Down Release Plug and Displace  
with 15 3/4 BBLs of fresh water and  
shut in cement did circulate  
wash up Rig Down

**SERVICE**

|                   |                  |   |               |                 |
|-------------------|------------------|---|---------------|-----------------|
| DEPTH OF JOB      | <u>295</u>       |   |               |                 |
| PUMP TRUCK CHARGE |                  |   |               | <u>991.00</u>   |
| EXTRA FOOTAGE     |                  | @ |               |                 |
| MILEAGE           | <u>38</u>        | @ | <u>7.50</u>   | <u>285.00</u>   |
| MANIFOLD          | <u>Head Rent</u> | @ | <u>110.00</u> | <u>110.00</u>   |
|                   |                  |   |               |                 |
|                   |                  |   |               |                 |
|                   |                  |   | TOTAL         | <u>1,386.00</u> |

CHARGE TO: Fox Petroleum

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

|                      |   |               |                     |
|----------------------|---|---------------|---------------------|
| <u>1 wooden plug</u> | @ | <u>166.00</u> | <u>166.00</u>       |
|                      | @ |               |                     |
|                      | @ |               |                     |
|                      | @ |               |                     |
|                      |   |               | TOTAL <u>166.00</u> |

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Travis

SIGNATURE Travis

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

**JAMES C. MUSGROVE**

Petroleum Geologist  
P.O. Box 215  
212 Main St.  
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Fox Petroleum Inc.  
Wire #2  
110' East-C-SW (1320' FSL & 1430' FWL) Section 34-17s-8w  
Ellsworth County, Kansas  
Page No. 1

**5 1/2" Production Casing Set**

**Contractor:** Warren Drilling Co. (Rig #2)

**Commenced:** October 4, 2008

**Completed:** October 11, 2008

**Elevation:** 1790' K.B.; 1784' D.F.; 1782' G.L.

**Casing Program:** Surface; 8 5/8" @ 295'  
Production; 5 1/2" @ 3232

**Samples:** Samples saved and examined 2600' to the Rotary Total Depth.

**Drilling Time:** One (1) foot drilling time recorded and kept 2400' to the Rotary Total Depth.

**Drill Stem Tests:** There was two (2) Drill Stem Tests ran by Trilobite Testing Inc.

**Measurements:** All depths measured from the Kelly Bushing.

**Electric Log:** By Log Tech; Dual Induction, Dual Compensated Porosity and Microresistivity Log.

**Gas Detector:** None.

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KCC WICHITA

| <u>Formation</u>   | <u>Log Depth</u> | <u>Sub-Sea Datum</u> |
|--------------------|------------------|----------------------|
| Herington          | 1234             | +556                 |
| Winfield           | 1288             | +502                 |
| Towanda            | 1357             | +433                 |
| Ft Riley           | 1393             | +397                 |
| Florence           | 1444             | +346                 |
| Neva               | 1735             | +55                  |
| Tarkio Lime        | 2115             | -325                 |
| Howard             | 2325             | -535                 |
| Topeka             | 2425             | -635                 |
| Heebner            | 2697             | -907                 |
| Toronto            | 2715             | -925                 |
| Douglas            | 2728             | -938                 |
| Brown Lime         | 2816             | -1026                |
| Lansing            | 2838             | -1048                |
| Base Kansas City   | 3161             | -1371                |
| Conglomerate       | 3191             | -1401                |
| Arbuckle           | 3220             | -1430                |
| Rotary Total Depth | 3275             | -1485                |
| Log Total Depth    | 3240             | -1450                |

(All tops and zones corrected to Electric Log measurements).

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

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NOV 05 2009  
KCC WICHITA

**TORONTO SECTION**

2716-2728' Limestone; gray to white, slightly dolomitic, poor porosity, no shows.

**LANSING SECTION**

2838-2844' Limestone; cream, white, finely crystalline, chalky, poorly developed porosity, no shows.

2846-2856' Limestone; gray, tan, finely crystalline, dense.

2863-2878' Limestone; tan, gray, oomoldic, chalky, fair to good oomoldic porosity, brown stain, trace of free oil and faint odor in fresh samples.

2897-2904' Limestone; tan, finely crystalline, fossiliferous in part, poor porosity, no shows.

2928-2939' Limestone; white, fossiliferous/oolitic, chalky, fair fossil cast porosity, brown spotty stain, trace of free oil and weak to faint odor in fresh samples.

2950-2967' Limestone; tan, oomoldic, fair to good oomoldic porosity, questionable stain, show of free oil, no odor.

3008-3024' Limestone; gray, cream, finely crystalline, slightly fossiliferous, chalky in part, poor visible porosity.

3020-3034' Limestone; cream, fossiliferous, chalky, poor porosity, no shows.

3040-3055' Limestone; gray, cream, finely crystalline, slightly fossiliferous, few cherty, dense.

3071-3090' Limestone; gray, cream, finely crystalline, chalky, fossiliferous in part, poorly developed porosity, no shows.

3104-3121' Limestone; cream, finely crystalline, dolomitic in part, trace stain, trace of free oil and questionable odor in fresh samples.

3143-3149' Limestone; gray, finely crystalline, fossiliferous in part, chalky, poorly developed porosity.

3154-3160' Limestone; as above, no shows.

**CONGLOMERATE SECTION**

3197-3201' Sand; gray, clear, fine to medium grained, poorly sorted, brown to black stain, trace of free oil and weak odor in fresh samples.

3201-3220' Varied colored shale; plus orange yellow boney chert.

**ARBUCKLE SECTION**

3220-3230' Dolomite; cream, tan, finely crystalline, sucrosic, fair porosity, brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #1** **3139-3230' (log corrected)**

**Times: 45-30-45-45**

**Blow:** Weak

**Recovery:** 20' oil cut mud  
(5% oil, 95% mud)

**Pressures:** ISIP 114 psi  
FSIP 82 psi  
IFP 46-48 psi  
FFP 49-50 psi  
HSH 1557-1534 psi

3230-3240' Dolomite; cream, white, fine to medium crystalline, fair intercrystalline to fine vuggy porosity, brown stain and saturation, show of free oil and good odor in fresh samples.

**Drill Stem Test #2** **3230-3240' (log corrected)**

**Times:** 45-30-60-45

**Blow:** Good

**Recovery:** 660' gas in pipe  
90' gassy oil

**Pressures:** ISIP 986 psi  
FSIP 911 psi  
IFP 10-27 psi  
FFP 32-49 psi  
HSH 1562-1571 psi

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**Rotary Total Depth** 3275 (-1485)  
**Log Total Depth** 3240 (-1450)

**Remarks:** Pipe strap at 3265 indicates an up-hole correction of 35 feet. (All zones and tops corrected to log measurements).

**Recommendations:**

On the basis of the favorable Drill Stem Test and positive results of the Drill Stem Test, it was recommended by all parties involved to set and cement 5 1/2" production casing at 3232' (eight foot off bottom) and the Wire #2 be completed in the Arbuckle Dolomite by "open hole" completion methods. Before abandonment the following zones should be tested:

1. Lansing 2863-2874 perforate

Respectfully submitted;

James C Musgrove and  
Joshua R. Austin  
Petroleum Geologists

